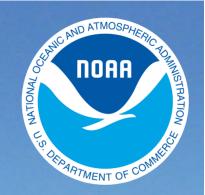
BookletChartTM

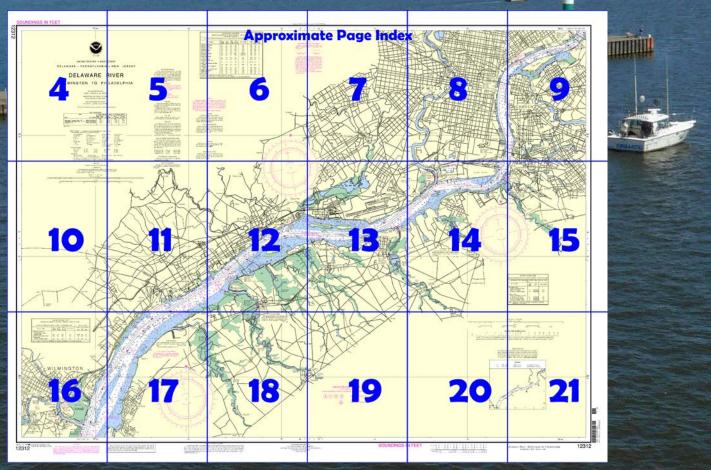
Wilmington to Philadelphia NOAA Chart 12312



A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=123 <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd



(Selected Excerpts from Coast Pilot)

Edgemoor. The wharves of the E.I. duPont de Nemours Co., Edgemoor Plant, have depths of 20 feet at their outer ends. A dike with its outer end submerged extends 0.3 mile offshore from

Oldmans Creek has an unmarked channel leading from the Delaware River to the mouth of the creek. In 1973, extensive shoaling was reported at the entrance to and throughout Oldmans Creek. Mariners

should exercise extreme caution when transiting this area. A vertical-lift bridge and two swing bridges cross the creek between the mouth and **Pedricktown**; all are kept in a closed position. The limiting clearance of the bridges is 1 foot at the second bridge.

Raccoon Creek.—The approach is a dredged channel that extends west-southwestward through the shallow flats for 1.1 miles from the mouth. The approach channel is marked by buoys, and a light marks the outer end of the rock jetty on the south side of the entrance.

The U.S. Route 130 bridge at **Bridgeport** has a vertical-lift span with clearance of 4 feet down. The ConRail bridge 0.3 mile above the highway bridge has a clearance of 7 feet.

Between Bridgeport and **Swedesboro** the least bridge clearances are: swing bridge, 6 feet vertical; fixed bridges, 8 feet vertical. The railroad bridge above the mouth of **Chester Creek** has a clearance of 1½ feet. Above that point, navigation is restricted by the 6-foot minimum clearance of the fixed bridges. Navigation is suitable only for very shallow-draft boats to the second bridge.

The current velocity is 1.7 knots on the flood and 2.2 knots on the ebb off **Eddystone**.

Essington has boatyards that can provide berths, fuel, and supplies. An unmarked channel parallel to and 450 feet from the centerline of the dike has a controlling depth of 5½ feet; shoals are on both sides of the channel. Local vessels usually pass the west end of the island where the controlling depth is 9 feet.

A **special anchorage**.—Depths are 9 to 20 feet in the anchorage. The current velocity is about 1.3 knots. In 1978, a piling was reported in the anchorage area 0.5 mile eastward of the entrance to Darby Creek. Gasoline, diesel fuel, water, ice, berths, and marine supplies are available along the Essington waterfront.

A **general anchorage** is between Thompson Point and Crab Point and the south side of the main channel. The current velocity is about 2 knots a half-mile east of Crab Point.

The Mantua Creek entrance jetties are marked by lights, and the entrance channel is marked by buoys. In August 1998, the centerline controlling depth in the dredged channel was 11 feet for 0.7 mile above the mouth; thence in 1981, 7 feet **Friars Landing**, thence 4½ feet **Parkers Landing**, and thence less than 1 foot to Mantua.

A general anchorage is on the southeasterly side of the main channel above the entrance to Mantua Creek. The current velocity is about 2 knots in the channel opposite the anchorage.

Anchorages.—Vessels must not anchor in Christina River channel within the city limits of Wilmington or tieup at any wharf more than two abreast without permission of the harbor commissioners. A general anchorage is off Deepwater Point, south of the river entrance. (See 110.1 and 110.157(a)(7) and (b), chapter 2, for limits and regulations, and page 391 for Wilmington climatological table.)

Quarantine is enforced in accordance with regulations of the U.S. Public Health Service. (See Public Health Service, chapter 1.) Vessels subject to boarding for quarantine inspection are required to anchor off Marcus Hook boarding station, 7 miles up the Delaware River from Wilmington. Wilmington is a **customs port of entry.**

Local magnetic disturbance.—Differences of 2° to 5° from normal variation have been observed astride the Delaware River Channel from Oldmans Point to the mouth of Oldmans Creek.

On the southeast side of the main ship channel opposite Marcus Hook is a **general anchorage** with a preferential area for vessels awaiting quarantine inspection. (See **110.1 and 110.157(a)(8) and (b),** chapter 2, for limits and regulations.)

Currents.—The current velocity is about 1.7 knots at Marcus Hook. Chester is a **customs port of entry**.

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Norfolk Commander

5th CG District (575) 398-6231 Norfolk, VA

2



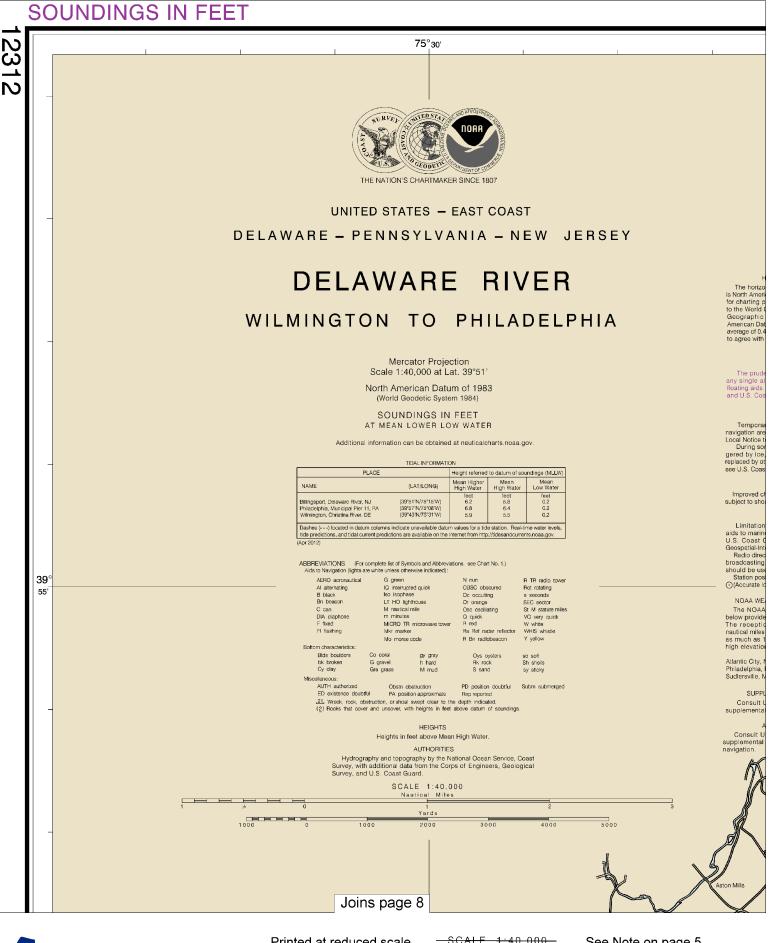
NOAA's navigation managers serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit nauticalcharts.noaa.gov/service/navmanagers

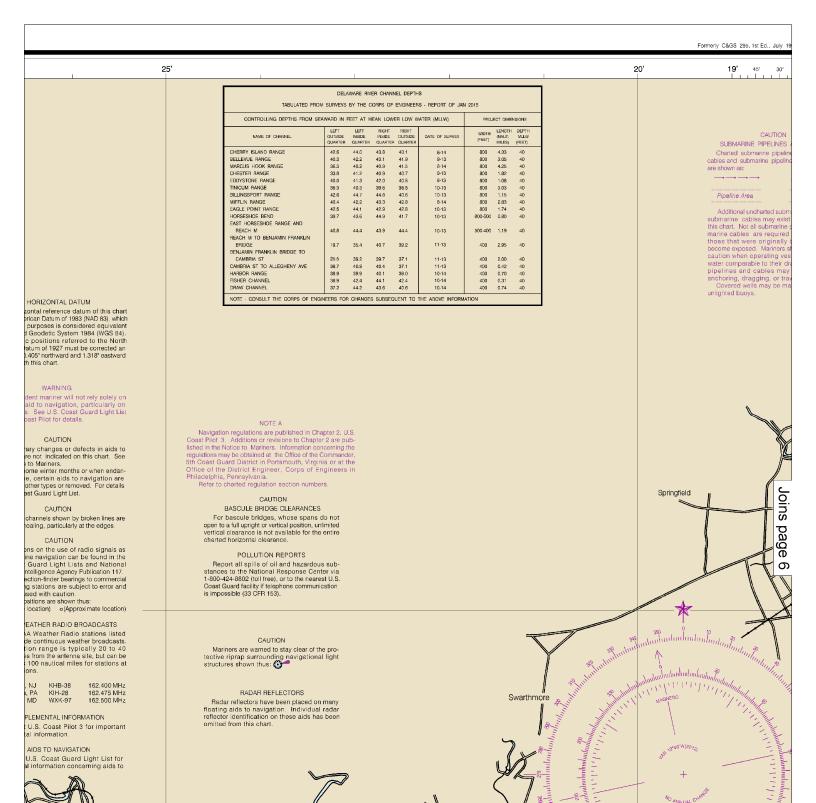
To make suggestions or ask questions online, go to *nauticalcharts.noaa.gov/inquiry*. To report a chart discrepancy, please use *ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx*.

Lateral System As Seen Entering From Seaward on navigable waters except Western Rivers









This BookletChart was reduced to 70% of the original chart scale. The new scale is 1:57142. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

Joins page 9

Brookhaver

Palmers Come



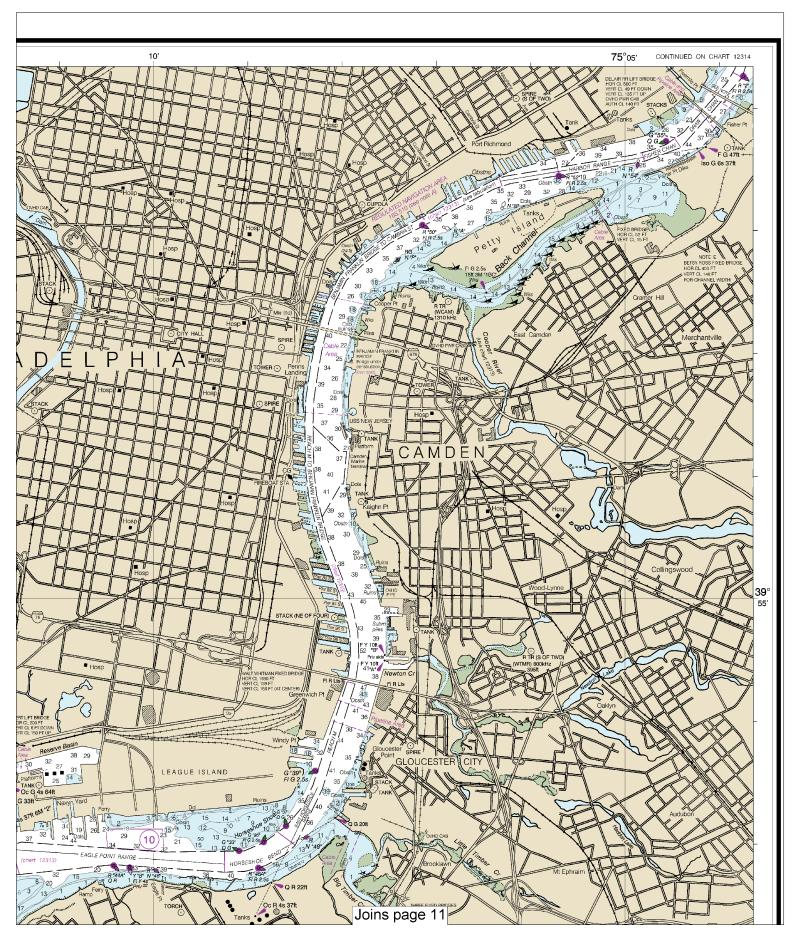
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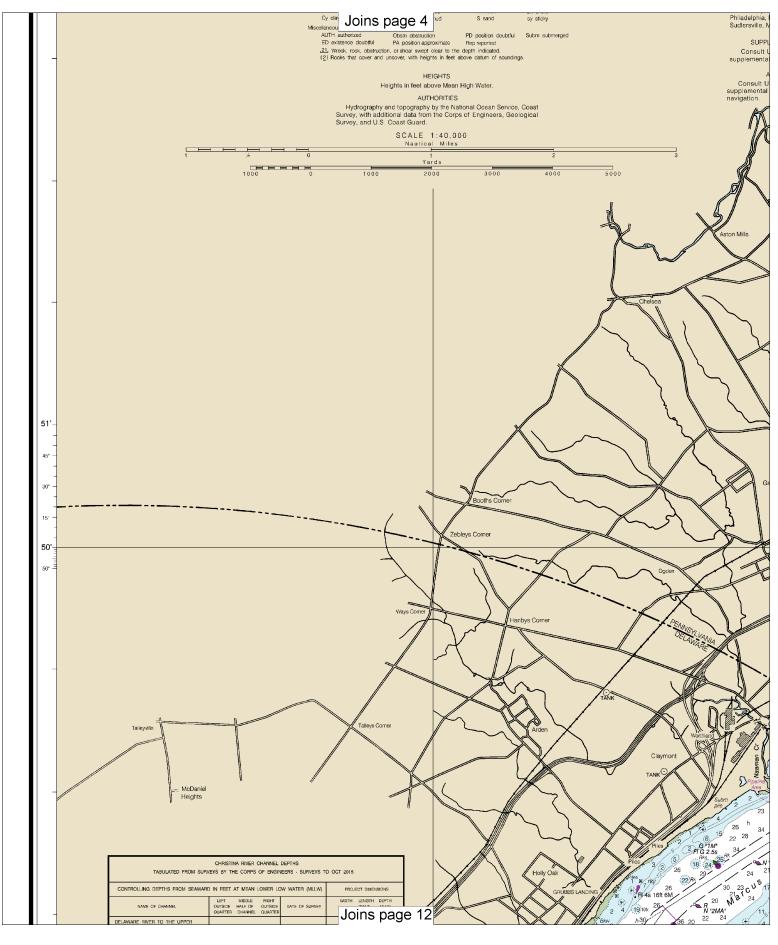
Ridley Park



lines are aligned with true north.

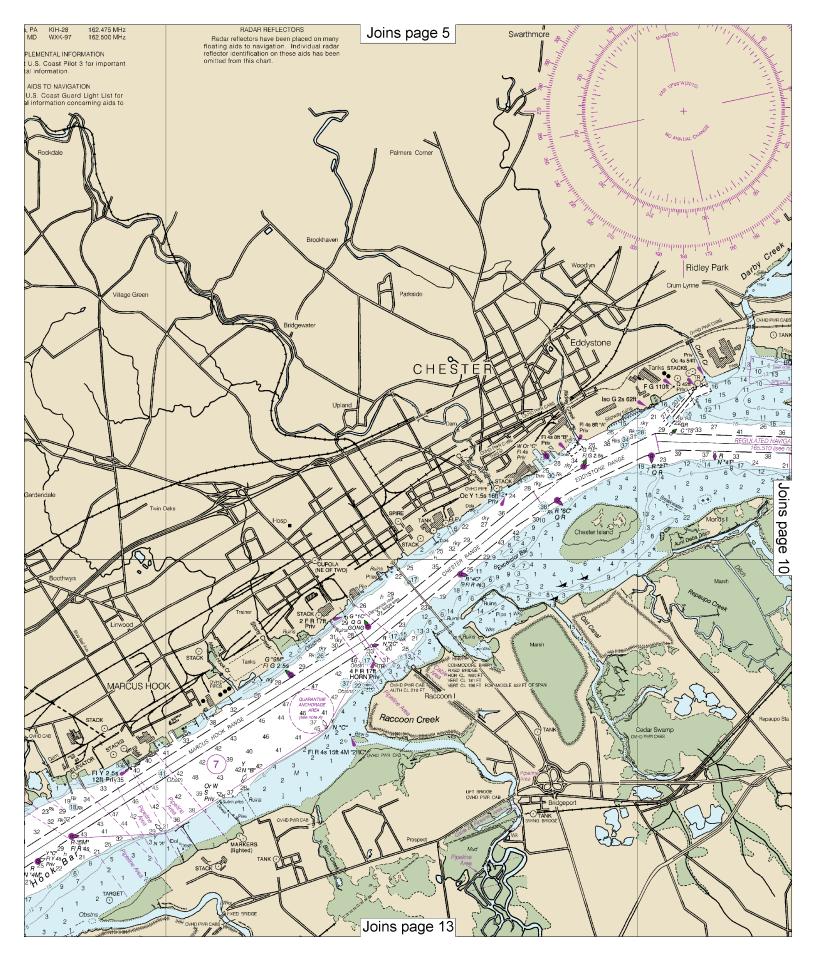






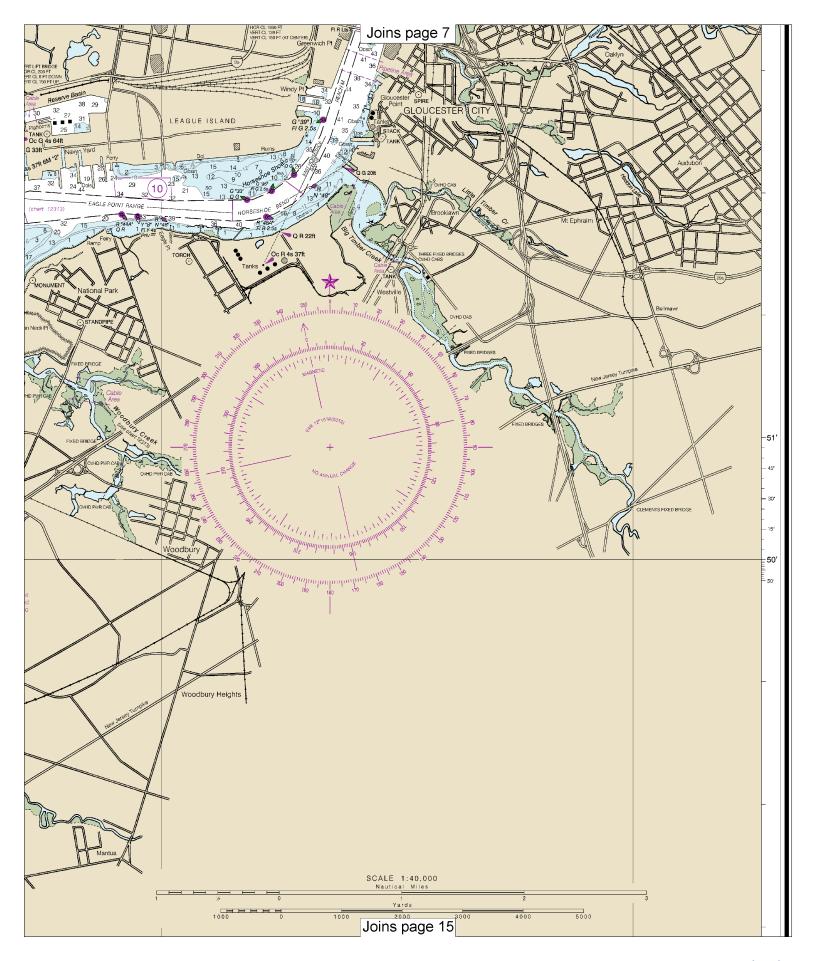


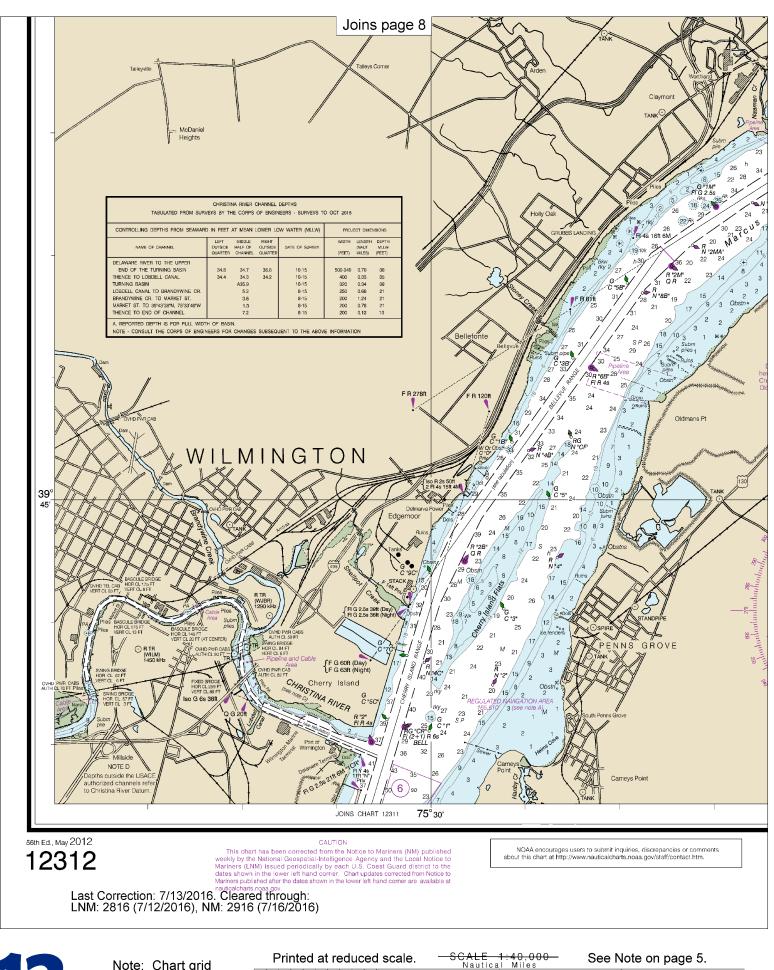




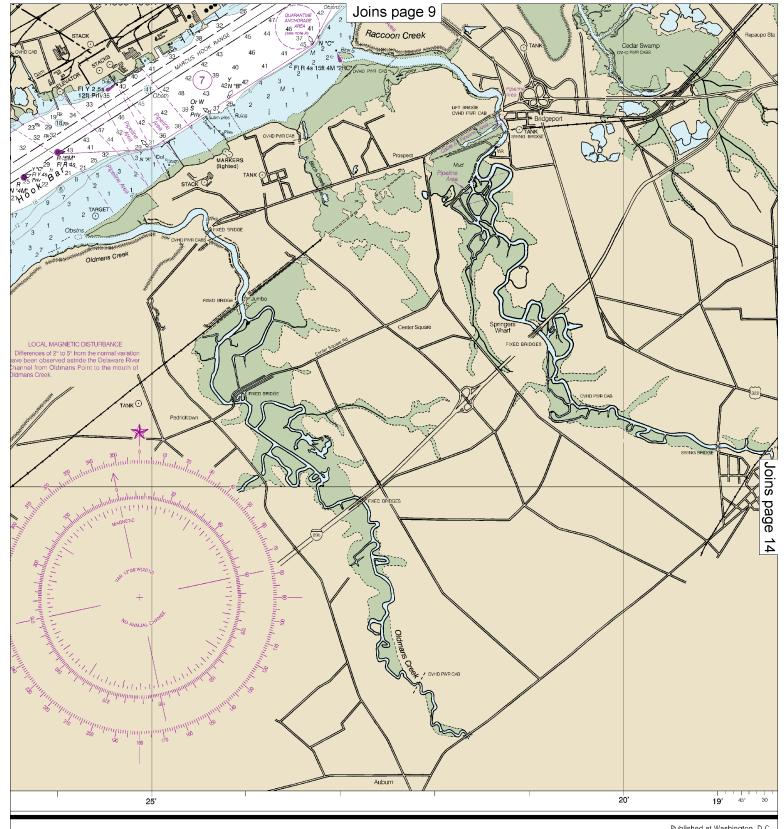




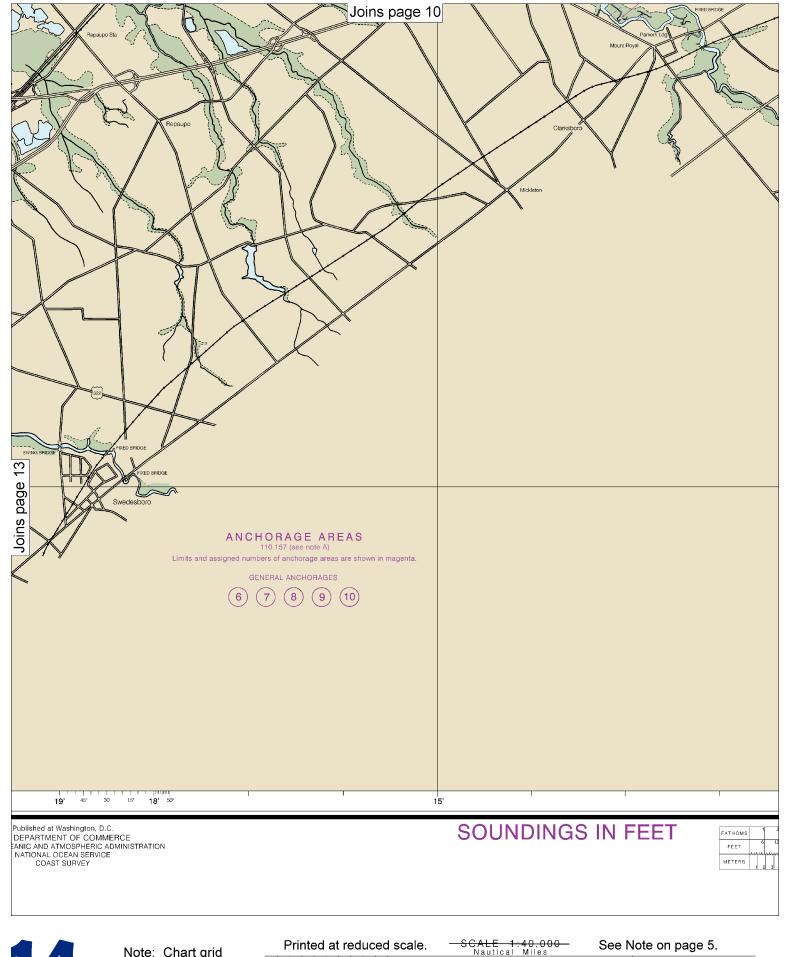




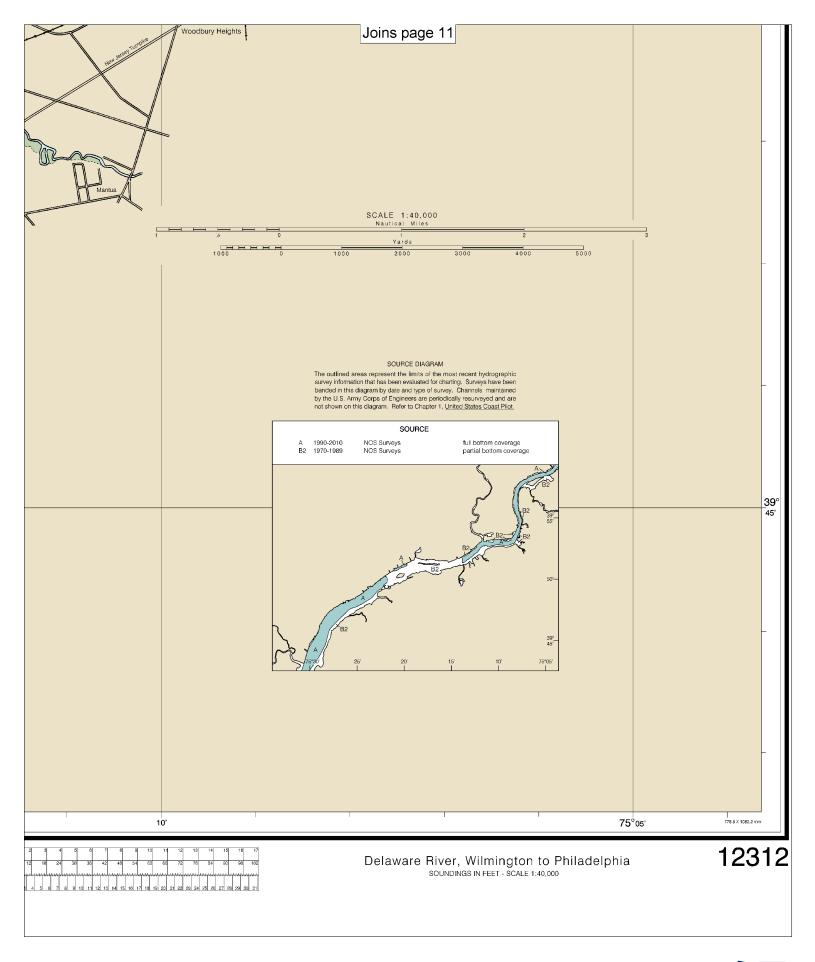




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U.S. DEPARTMENT OF COMMER
NATIONAL OCEANIC AND ATMOSPHERIC ADM
NATIONAL OCEAN SERVICE
COAST SURVEY



Printed at reduced scale.				SCALE 1:40,000 Nautical Miles			See Note on page 5.		
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		_		Yards					
	1000	Ò	1000	2000	3000	4000	5000		





VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Interactive chart catalog — http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml

Report a chart discrepancy — http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx

Chart and chart related inquiries and comments — http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

Chart updates (LNM and NM corrections) — http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html

Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.